

# **Binary Manipulation**

**101**

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“Your writing is both inspirational and motivating...”

Halima Sarki

Abuja Nigeria

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# **Introduction**

In The Name of Allah, The Entirely  
Merciful The Especially Merciful

This is a book about manipulating  
binary numbers, a summary and a  
primer- by the will of Allah.

I have purposely kept it short,  
for brief reading.

## **Text(Matn)**

All praises be to Allah and  
salutations and peace be upon the  
Prophet Muhammad, His Family, His  
Companions and all those that follow  
him until the day of Judgement

To proceed

## AND( &) Function- and

| AND | 0 | 1 |
|-----|---|---|
| 0   | 0 | 0 |
| 1   | 0 | 1 |

$$0 \& 0 = 0$$

$$0 \& 1 = 0$$

$$1 \& 0 = 0$$

$$1 \& 1 = 1$$

## OR( |) Function- or

| OR | 0 | 1 |
|----|---|---|
| 0  | 0 | 1 |
| 1  | 1 | 1 |

$$0 \mid 0 = 0$$

$$0 \mid 1 = 1$$

$$1 \mid 0 = 1$$

$$1 \& 1 = 1$$

NOT function( !)- not

$$!0 = 1$$

$$!1 = 0$$

Other functions are:

- NAND- nand
- NOR- nor
- XOR- Exclusive OR
- XNOR- Exclusive NOR

An example of different types of number systems are:

### 1. Denary Numbers

0, 1, 2, 3, 4, 5, 6, 7, 8, 9

### 2. Binary Numbers

0, 1

### 3. Hexadecimal Numbers

0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D,  
E, F

### 4. Octal Numbers

0, 1, 2, 3, 4, 5, 6, 7

Byte addition

A bit is either a 0 or a 1

There are 8 bits in a byte.

1. In Denary;

$$5 + 3 = 8$$

2. In Binary;

5: 00000101

+

3: 00000011

=

8: 00010000

Binary manipulation is used in i.e.

1. Cryptographic hashes

2. checksums

3. ciphers

## 4. Deciphers

## **Bonus Chapter**

### **Spiritual Levitation 1: The Other side of Abstemiousness**

1. Face your fears, and pray to Allah  
always

2. You can never attain true success  
(i.e. in this world and the next life),  
until you worship Allah correctly and  
seek His assistance continuously/  
continually

3. If you choose a life of worshipping Allah in all that you do in your life, then( by His will), all that you desire will come to you submissively.

4. Every time you feel like giving up, turn back to Allah( whole heartedly)

5. Concentrate on bettering yourself. The general rule of thumb is that the better you are, the more those around you get affected positively.

6. Keep on being patient, and never stop being patient, until your soul exists the collarbone.

7. In patience, there is wisdom from Allah. He is showing you that He is The One that controls everything

8. Modern day monks(and practitioners of abstemiousness) can sometimes be found in cities and towns.

9. The more you practice  
Zuhd( Orthodox Islamic  
Abstemiousness), the more your  
heart lets go of the world. Then the  
more the world clings on to  
you( metaphorically speaking)

## **FINAL PRAYER**

All Praises abundant and plentiful belong to Allah, and peace be upon his final Messenger Muhammad, peace and blessings be upon him, his family, his companions and all of those that follow them till the day of Judgement.

## **FINAL WORD**

If you liked the reflective quotes, check out in the links below what was part of the fruits of this work:

1. [www.edriskibalama.com](http://www.edriskibalama.com)

A website on creatively designed inspirational quotes images and a

[portfolio](#) section outlining my achievements thus far.

2.

[www.muslimhomeschoolsoftware.com](http://www.muslimhomeschoolsoftware.com)

A website on Home Educational Software for children with an Islamised and Ethical curriculum

3.

[www.intelligentmindsconsultancy.com](http://www.intelligentmindsconsultancy.com)

A website on IT support,  
WordPress support and IT  
consultancy

4. [www.eddykibs.com](http://www.eddykibs.com)

More of my inspirational quotes  
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5. To contact me and see my works:

[www.linkedin.com/in/edriskibalama/](http://www.linkedin.com/in/edriskibalama/)

## 5. Other published books

Search: “Edris Kibalama” on

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# **Bonus Chapter 1**

## **3 types of souls**

1. Mutma innah- Surah Fajr Verse

27(The break of day or The Dawn)

2. Lawwaamah- Chapter 75 Surah

Qiyaamah(The Resurrection) Verse 2

3. Amru bissuw-

Hisnul Muslim- Qahtani

3 types of hearts

1. Qalbun Saliim( A sound heart)

2. Qalbun Mareedh( A sick heart)

Oh Allah give us a complete cure  
that leaves no illness Ameen.

3. Qalbun Mayyit( A dead heart)

May Allah protect us from this

Ameen

## **Bonus Chapter 2**

### **‘Uboodiyah: Beyond Temporary Friendship**

All praises be to Allah and  
salutations and peace be upon the  
Prophet Muhammad, His Family, His  
Companions and all those that follow  
him until the day of Judgement

To proceed

1. If you don't let go to worldly love, you'll never know which relationship is meant to be permanent, and which was meant to be temporary; for the good of yourself.

Take the example of Prophet Ibrahim (upon him be peace and Salaam):

The important thing (wa Allahu A'laam/ and Allah knows best) is that

Allah wanted

Ibrahim( 'aleihimussalaatu wa  
salaam/ upon him be peace and  
Salaam) to sacrifice the love of his  
son from his own heart.

Like the story of the 2 sons of  
Adam; Allah wanted to see who  
would part from the dunia/worldly  
life from their hearts( wa Allahu  
A'laam/ and Allah knows best), by  
giving their best possessions i.e. the  
crops

Allah is Assamad(He is in need of noone/nothing, but all are in need of him).

So the conclusion is that Allah wants us to go to Him with Qalbun Salim(a pure heart).

May Allah allow us to live and die with Qalbun saliim(a pure heart)

**May Allah guide us all**

**Ameen**

## **Bonus Chapter 3**

### **Spiritual Levitation 2: The Other Side of Abstemiousness/ Zuhd**

All praises be to Allah and  
salutations and peace be upon the  
Prophet Muhammad, His Family, His  
Companions and all those that follow  
him until the day of Judgement

To proceed

1. Never let go of your( correct)  
religious principles

2. The enemies surrounding you( i.e. Shaitan/ satan and dunia/ the seeming glitter of the world) (and within you, (i.e. your hawa/ desires and nafs/ your lower self) are always ready to launch attacks. Be vigilant(i.e. by supplicating to Allah always), be informed(i.e. seek

knowledge) and be ready( for the ongoing spiritual battle/ warfare) and on guard( by beseeching Allah's assistance, refuge and rescue)

3. Sometimes you have to let go of certain things, for a new chapter if your life to begin

4. Whatever is with Allah( by His protection)/ Everything that is with Allah( by His protection) is never lost

5. It is at that breaking point, when you literally( and metaphorically) feel that you are fast-approaching rock bottom( or anguish is about to set in); that is the time to supplicate for all the good that you wish for. Then wait for the miracles that shall follow( only by the will of Allah)

6. Always ask for Allah's bounties/ favours upon you( , whether you hear the cockerel crow or not)

## **Bonus Chapter 4**

### **Introduction to Pre-destiny: The Sea Without a Shore**

All praises be to Allah and  
salutations and peace be upon the  
Prophet Muhammad, His Family, His  
Companions and all those that follow  
him until the day of Judgement

To proceed

## 4 Parts to the Qadar( Pre- destiny of Allah)

### 1. Al 'Ilm( knowledge)

That Allah knows everything that was, everything that is(now), everything that is going to be/ that will happen( in the future), and also things that **if they were to happen**, how they would happen.

### 2. Al Kitaabah( The writing)

That Allah instructed the pen to write all the things that will happen(till eternity- And Allah knows best), 50, 000 years before the creation of the Heavens and Earth.

### 3. Mashi a( Will)

That everything happens by the will of Allah.

That we also a will, but ultimately, it is still under the will of Allah.

‘Aml( Action/ Deeds)

That Allah created/ creates  
everything, including our actions.